

# L Display Advanced Video Wall Processor

Manage multiple sources with multi-window interface

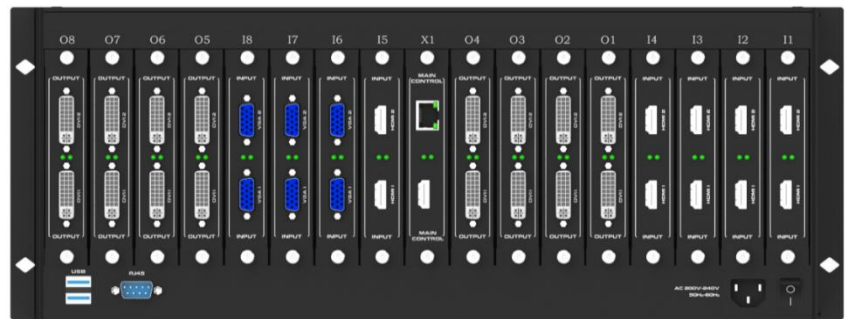


## LD-VWP-A Series

### Product Introduction

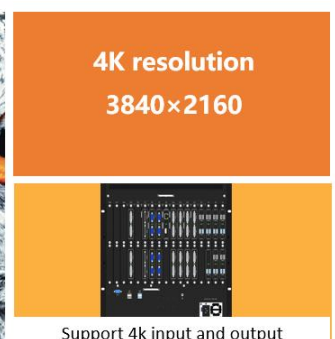
The L Display Video Wall Processor is based on a pure hardware architecture that ensures its stability for 24/7/365 applications. This high-performance video wall processor is designed for environments that demand reliability and flexibility, including security monitoring suites, exhibitions, military command centres, simulation rooms, education and scientific research, government and commercial environments.

The video wall processor can support multiple input and output cards over a wide variety of interfaces, which can be displayed in real-time on multiple Video Walls. The processor can be rack mounted and has an internal cooling system, hot swap-out cards and redundancy power as optional.



### Features of the L Display Advanced Video Wall Processor Series

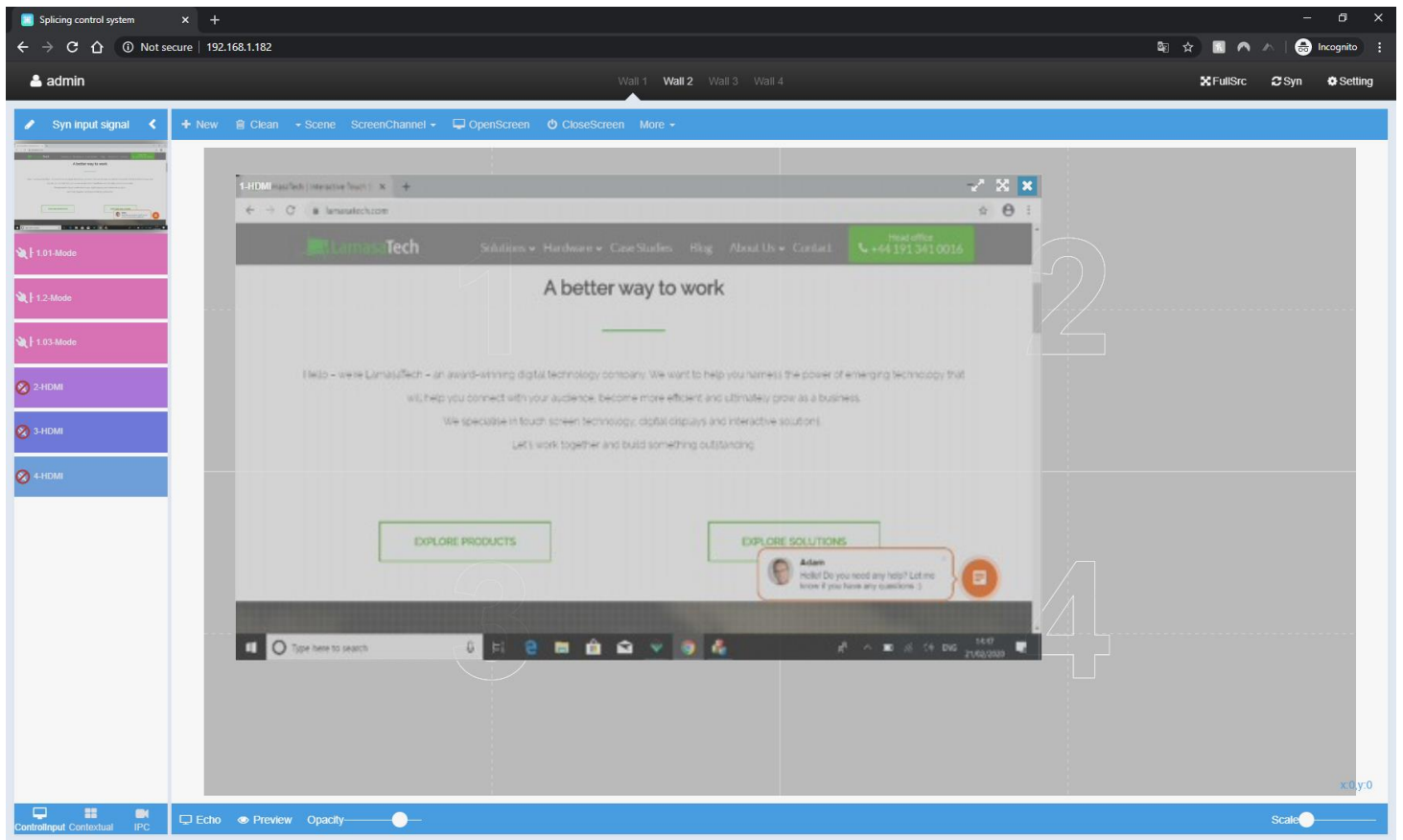
- Input board, output board, switch board, fan, power, dust and other major modules are modular cards, designed for easy maintenance
- Expansion slots support input and output FPGA-based hardware design with high bandwidth for accessing and processing full HD and 4K Signal
- Software based output mapping ensures updates to the set-up can be performed quickly without downtime for an engineer
- Supports live preview card to preview the video wall and input sources through the software or browser
- Industrial design construction with hot swap-out card system
- Up to 4 Video walls group management from a single processor
- User management with permission levels
- Free drag and drop and resize signals on screen
- Supports picture in picture, and layering of inputs
- Automatic signal resize and scaling
- Save and load scenes with seamless switching
- Input card types: HDMI, DVI, SDI, VGA, BNC, 4K, SDI
- Input card: IP decode card- responsible for network camera decoding; preview and sub-screen display
- Output: HDMI, DVI (1080p and 4K Options)
- Cross platform control through a browser from any modern browser
- On device memory - stores all configuration settings and user access permissions
- Automatically reloads all the configuration and latest layout on boot
- Optional redundant power supply for mission critical projects



L Display Video Wall Processor (LD-VWP-A Series)				
Sort	Chassis Number	3.5U Std		7U Std
Chassis scale	Input slot (PCIE IN)	4		9
	Output slot (PCIE OUT)	5		9
	Mixed slot (PCIE MIX)	0		0
	Master slot (PCIE MAIN)	1		1
	Serial port expansion Slot (PCIE UART)	1		1
Communication control	The Master expands input & output	Not Supported		
	Network control	Standard		
	RS232、RS485 control	Standard		
	RS485、RS232v Ring out	Standard		
	Serial expansion board	Standard		
	CS Client control	Standard windows graphical splicing control software, easy to use		
	BS control	Optional No need to install any client software, support web login control		
Cross platform control	Optional			
	Support windows, IOS, MAC OS, Android, Linux and other operating systems cross-platform control			
Video input (Optional)	HDMI input board	Support 4/2 channel HDMI signal input, HDMI type A interface, support HDCP, maximum support resolution 1920 * 1080 @ 60Hz;		
	VGA/YPbPr input board	Support 4/2 channel VGA or YPbPr signal input, the maximum support resolution of 1920 * 1080 @ 60Hz; each two can be configured by short jump to VGA input or YPbPr input		
	CVBS input board	Support 16/8 channel CVBS signal input, every 8 a DB15 interface (female), support PAL / NTSC standard, support brightness, contrast, gray, saturation adjustment		
	2 way HDMI+2 way VGA input board	Supports 2 HDMI and 2 VGA inputs, HDMI Type A connector (female) and 15 pin D-sub interface (female)		
	HDMI 1.4 4k input board	Support two HDMI 1.4 input (2 cut 1 use), the maximum support resolution of 3840x2160 @ 30Hz;		
	IP Streaming media input board	Support 2/1 RJ45 port input, single port support 4-way 1080P, 9-channel 720P, 16-channel D1 video decoding, support H.264 video compression format		
	IP Streaming media input board	Support 1 channel RJ45 port input, single port support 16-channel 1080P, 32-channel 720P, 64-channel D1 video decoding, support H.264 and H.264 video compression format		
Video output (Optional)	DVI output board	Single board 4/2 output, DVI-I interface (female), the maximum support resolution of 1920 * 1080 @ 60Hz		
	HDM output board	Board 4/2 output, HDMI Type A interface (female), support HDMI1.3 and digital signal protection protocol HDCP, maximum support resolution 1920 * 1080 @ 60Hz, support with the audio output		
Image Processing	Matrix switching	The processor comes with a matrix function that supports all input signals to switch to all output ports.		
	Screen splicing	Support any combination of splicing, support the screen window, roaming, overlay, zoom function.		
	Public area window	Standard, public area maximum support four-layer window overlay.		
	Screen segmentation	CVBS video signal maximum support single-screen 16 division; IPC network signal support maximum single-screen 64 division		
	OSD character overlay	Support the input signal OSD character overlay function, you can control the software to change the font type, font size, background color, foreground color, display position and other parameters.		
	Input image cropping	Supports any cropping of input images		
	Ultra-high resolution Static base map (optional)	<=1 channel	<=4 channel	<=1 channel
Support ultra-high resolution static image overlay display. When the base map is opened, the bottom window channel is occupied by				

		default. The bottom view shows three modes: all screen single-screen display, all screen splicing display, partial continuous area splicing display.	
	HD vector subtitles (optional)	Optional Ultra-high point-to-point vector subtitles, support for dynamic subtitles and static subtitles, you can edit the display content, fonts, colors and other parameters.	
	No black real-time switch	Seamless switching with no time delay	
	Edge shield	Support edge mask function, you can set the size of the screen edge.	
Display control	Output map	Engineering site construction more flexibility to achieve the equipment and display unit between the connection cable without a one-to-one, can be adjusted at any time in the software	
	Screen group	A single processor supports up to four sets of display wall settings.	
	Scene mode	Maximum 32	
Other features Value-added function	Redundant power supply	Optional	
		Support a normal use of power, a backup power supply. When the normal power supply fails, it automatically switches to standby power.	
	Intelligent temperature control	Optional	
		Real-time detection of the processor internal temperature, and automatic control fan switch.	
	Input and output board Automatic detection	Real-time detection of all the current processor board inserted.	
	The input signal automatic detected	Real-time detection of each input whether there is signal access, input board and client software has a status indication	
Pre-operating mode	After the pre-operation mode is turned on, the operation of all windows will not take effect immediately. Click OK to confirm all operations.		
Other parameters	Remote control, button	Not Supported	Not Supported
	LCD	Not Supported	Not Supported
	Power	200W blade power supply Voltage: 110-240V	350W blade power supply Voltage: 110-240V
	Power consumption	<150W	<300W
	Working temperature	Working temperature: -10 °C ~ 50 °C	
	Working humidity	Relative humidity: 5% to 95% non-condensing	
	Size	Width x depth x height (mm) : 437 x428 x133.5	Width x depth x height (mm) : 437 x428 x311.5
	Weight	<=20Kg(With full)	<=35Kg(With full)

### Web view control with preview card configuration:



### Desktop application without preview card configuration:

